

**POST GRADUATE DIPLOMA IN
ENVIRONMENT AND SUSTAINABLE
DEVELOPMENT (PGDESD)**

Term-End Examination

June, 2017

00672

**MED-006 : NATURAL RESOURCE MANAGEMENT :
PHYSICAL AND BIOTIC**

Time : 2 hours

Maximum Marks : 50

Note : Attempt any **five** questions. Each question carries
10 marks.

1. (a) Define any **five** of the following terms : $5 \times 1 = 5$
- (i) Soil erosion
 - (ii) Fossil fuel
 - (iii) Ecotone
 - (iv) Biogeographic regions
 - (v) Igneous rocks
 - (vi) Genetically Modified Organism (GMO)
- (b) Differentiate between the following pairs of terms : 5
- (i) Renewable and Non-renewable resources
 - (ii) Natural extinction and Artificial extinction

2. (a) Define 'Buffer Zone'. Discuss why this zone is a necessary part of protected area. 5
- (b) Why is India considered as one of the megadiversity countries? Explain. 5
3. (a) Discuss the methods of carbon sequestration. 5
- (b) Explain the role of 'Botanical Gardens' in biodiversity conservation. 5
4. (a) How can the invasive species be controlled biologically? Discuss. 5
- (b) Briefly describe the causes of biodiversity loss. 5
5. (a) Discuss the various factors that are responsible for the degradation of natural resources. 5
- (b) Discuss different plant types adapted to desert ecosystem. 5
6. Write short notes on any **two** of the following : 2×5=10
- (a) Shelter Belts
- (b) Sacred Groves
- (c) Sustainable Use of Biological Resources
- (d) Biodiversity as a Source of Products
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